

10/527020

DT01 Rec'd PCT/PTC 08 MAR 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Nobuaki KAWAHARA : Mail Stop: PCT  
Serial No. NEW : Attorney Docket No. 2005\_0207A  
Filed March 8, 2005 :

COMMUNICATIONS METHOD  
[Corresponding to PCT/JP2003/015082  
Filed November 26, 2003]

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicant requests consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☒ each reference previously cited in the international application PCT/JP2003/015082; and/or
- ☐ each reference previously cited in prior parent application Serial No. \_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

ATTACHMENT "D"

and thus no certification and/or fee is required.

- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) ☐ the certification of paragraph 2 below is provided, **or**  
(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and  
the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or  
b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☐ the concise explanation contained in the specification of the present application at page,
  - d. ☒ the concise explanation set forth in the attached English language abstract,
  - e. ☒ the concise explanation set forth below or on a separate sheet attached to the reference:
- U.S. Patent No. 5,515,400 corresponds to JP 2-217045; and**  
**U.S. Patent No. 6,046,629 corresponds to JP 11-004274.**
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Nobuaki KAWAHARA

By Michael S. Huppert

Michael S. Huppert  
Registration No. 40,268  
Attorney for Applicant

MSH/kjf  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
March 8, 2005

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: March 8, 2005

ATTY DOCKET NO.  
2005\_0207ASERIAL NO.  
NEW

10/527020

APPLICANT  
Nobuaki KAWAHARAFILING DATE  
March 8, 2005

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,515,400	5/1996	Arai			
	AB	6,046,629	4/2000	Akiyama et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	7-087150	3/1995	JP			Abstract
	AK	61-024354	2/1986	JP			Abstract
	AL	2-217045	8/1990	JP			Abstract
	AM	11-004274	8/1990	JP			Abstract
	AN	60-150359	8/1985	JP			Abstract

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	C. Melvil Thomas, Michael Y. Weidner, S.H. Durrani, entitled " <u>DIGITAL AMPLITUDE-PHASE KEYING WITH M-ARY ALPHABETS</u> ", IEEE Transactions on Communications, February, 1974, Vol. COM-22, No. 2, pages 168-179.
	AP	
	AQ	

EXAMINER

DATE CONSIDERED